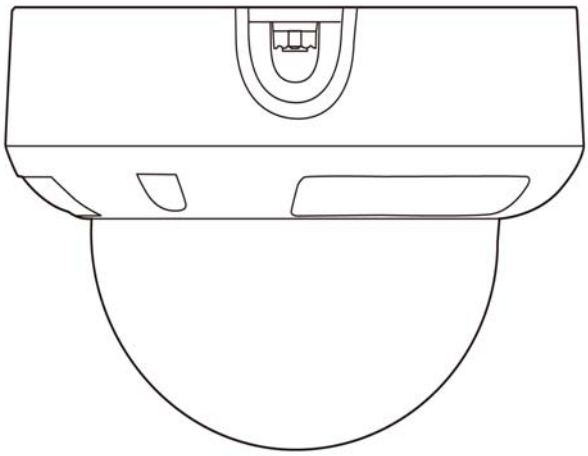
WDR Dome Camera
User's Guide



Thank you for purchasing our product.
Please read this User's Manual before using the product. Change without Notice

Feature

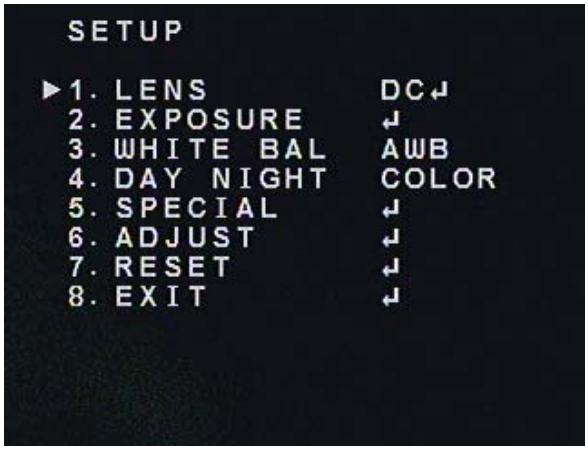
1. 600 TVL High Resolution Camera.
2. 3 Axis Camera Mechanism Adjustment Design.
3. 2.8~10mm Varifocal Lens with High Clarity.
4. 21 IR LEDs for an Effective 15M Viewing Distance.(CD3214)
5. Electronic True Day-and-Night Color/Mono Switching.
6. Low Power Consumption Prolongs Product Liability.
7. Solid and Compact Aluminum Die-Casting for Vandal Proof.
8. Support both Side and Top Cable Wiring Method.
9. Class IP-66 Rated Weatherproof Function.
10. RoHS and WEEE Compliance.

Specification

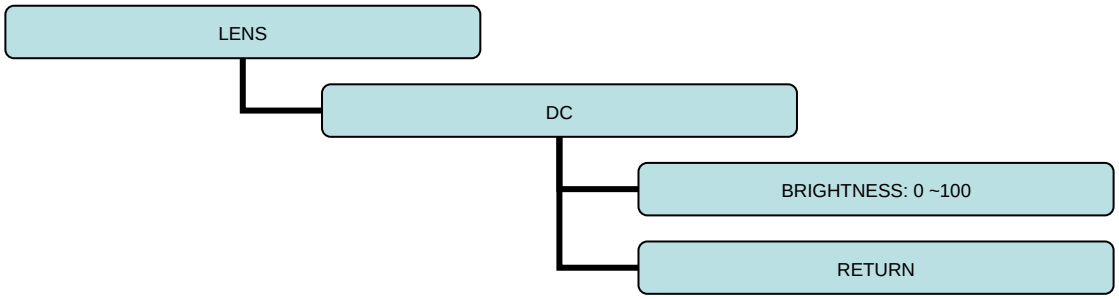
Model	CD3213	CD3214
Pick up device	1/3" interline transfer CCD	
Total Pixels	NTSC:811(H)x508(V)/PAL:795(H)x596(V)	
Effective Pixels	NTSC:768(H)x494(V)/PAL:752(H)x582(V)	
Resolution	600TVL	
Lens mechanism	3 Axis	
Synchronizing System	2:1 Internal	
Scanning System	NTSC: 525 Lines / 60 Fields ; PAL: 625 Lines / 50 Fields	
S/N Ratio	52dB	
Electronic Shutter	Auto：1/60 (1/50) ~1/100,000 sec / Flk	
Min. Illumination	0.07Lux / F1.6 (IR OFF)	0Lux / F1.6(IR ON)
Video Output	1.0Vp-p / 75 ohm composite	
White Balance	ON	
BLC	ON	
Gain Control	ON	
OSD	Yes	
Day & Night	ON	

Sense-up	On / Off (Selectable limit ~ 256X)	
Lens Type	Vari-Focal : 2.8~10mm	
IR distance	N/A	15M(21pcs IR LEDs)
Power Source	DC12V/AC24V ± 10% / 500mA	DC12V/AC24V ± 10% / 1A
Power Consumption	1.6W	5.16W
Current	130mA	430mA
Operating Temperature	-10℃ ~ 50℃ (14℉ ~ 122 ℉)	
Storage Temperature	-20℃~ 70℃ (-4℉ ~ 158℉)	
Dimension	99.6(H)x140(Diameter)mm	
Weight	N.W.:/G.W: 0.63kg / 0.73kg	
Weatherproof	IP66	

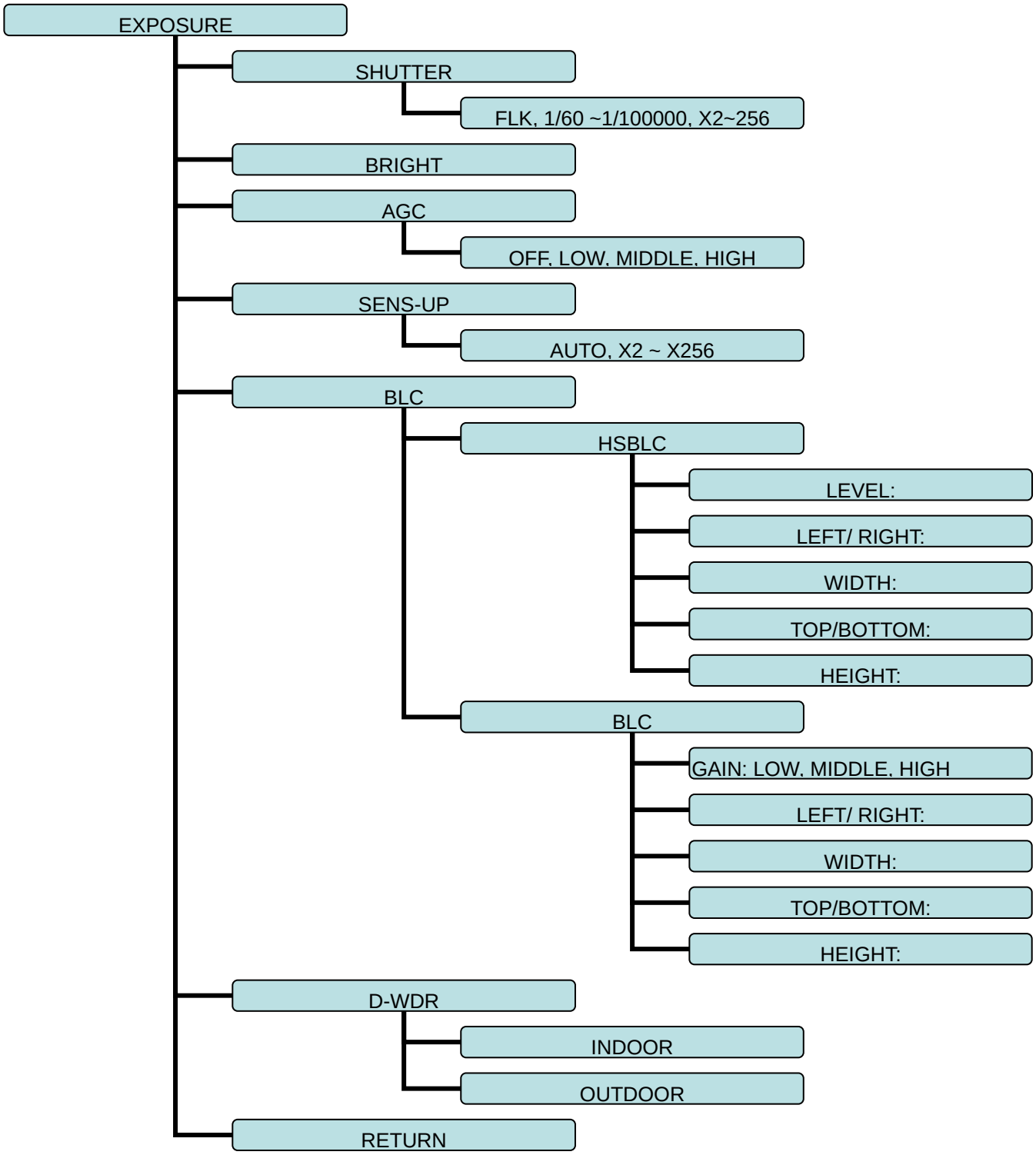
OSD menu



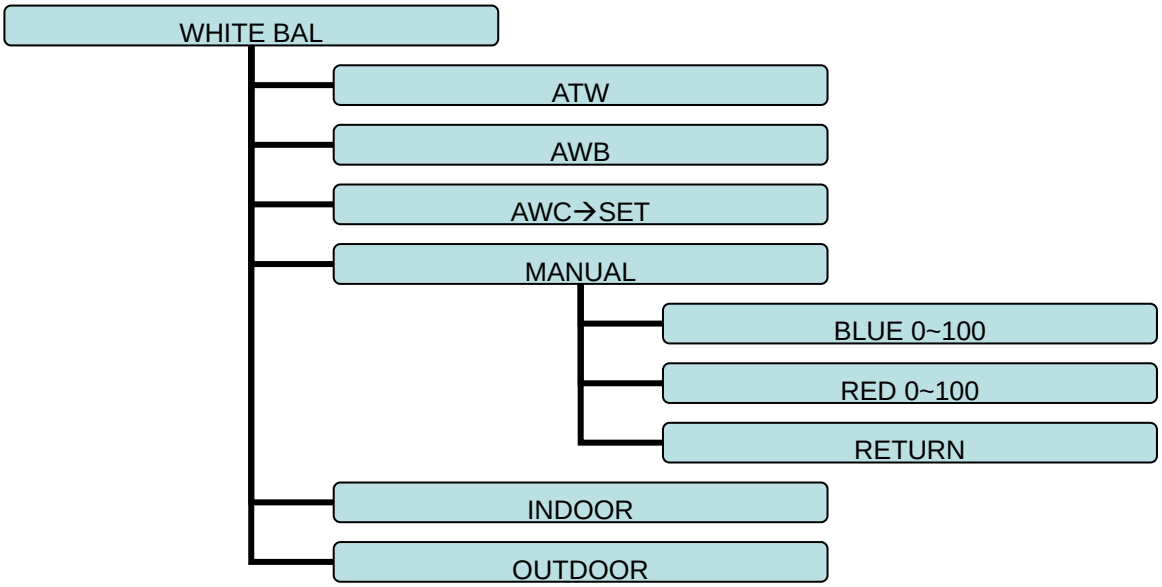
LENS menu：



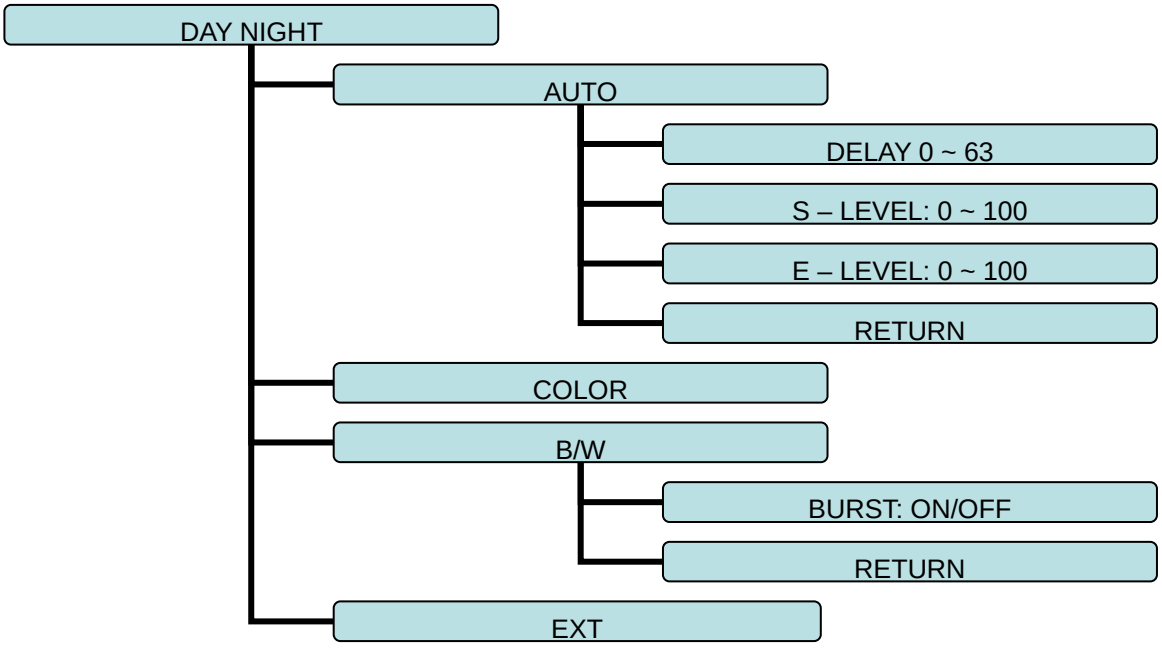
EXPOSURE menu：User can adjust electronic shutter speed, auto gain control, sensitivity-up level, back light compensation (BLC) &Highlight Suppression (HSBLC) adjust and Digital WDR.



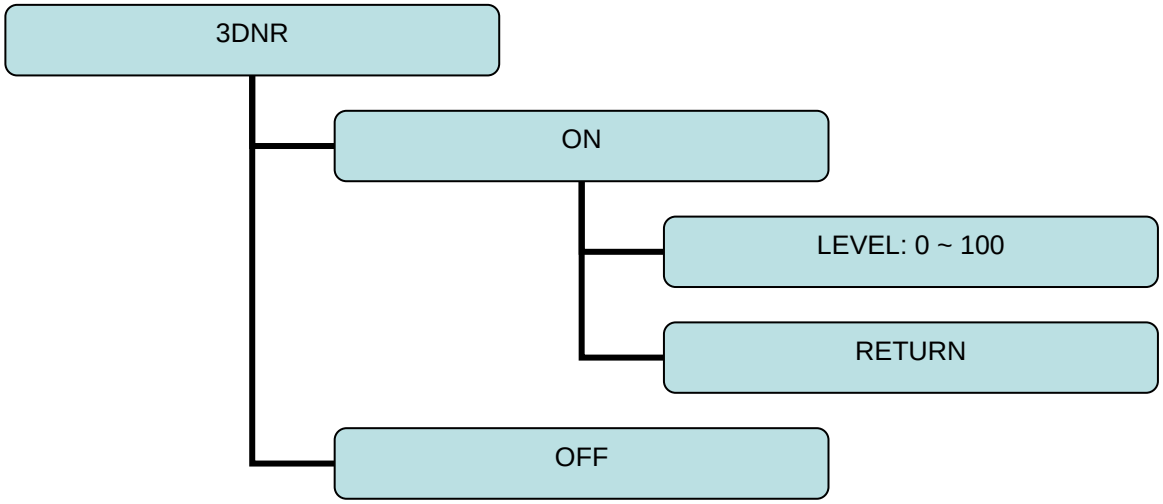
WHITE BAL menu：User can adjust white balance effect, the function like as Auto Tracking White balance (ATW), Auto White Balance adjust (AWB), Indoor or outdoor environment.



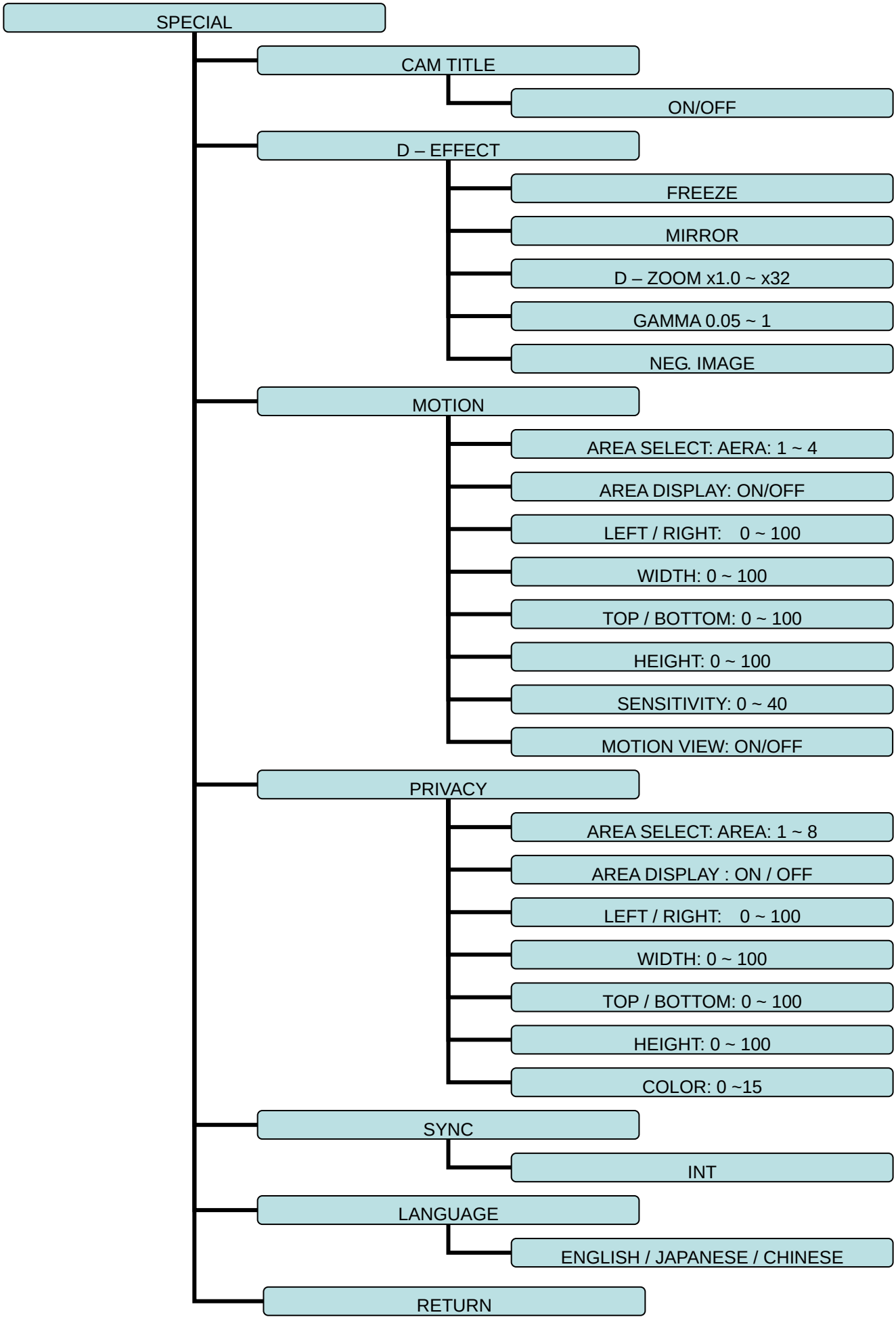
DAY NIGHT menu：User can adjust camera auto change threshold with day and night level to change Color or Black/White mode and force assign Color or Black/White type. (Not for MiniDome03)



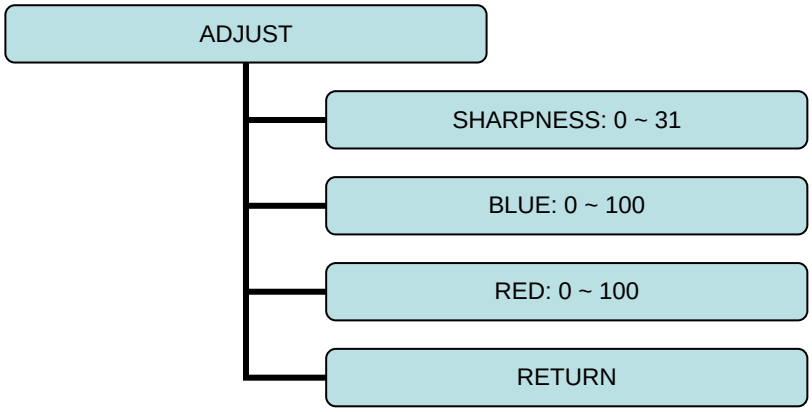
3DNR menu： User can adjust 3-Digital Noise Reduction level to improve night environment effect. Not for MiniDome01/03/04/05



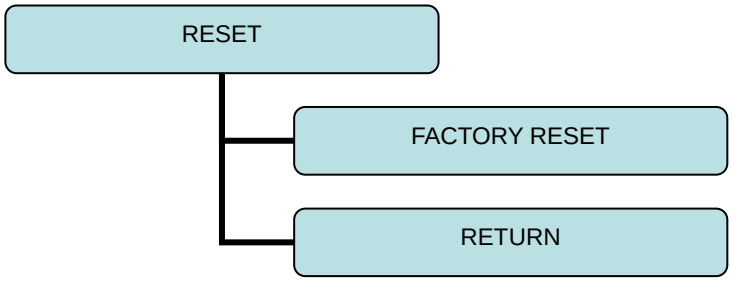
SPECIAL menu： User can setup Camera title, Digital effect (Freeze, Mirror, V-FLIP, Rotate), Gamma ratio, Negative image effect, Motion area adjust, Privacy mask area adjust and language function. See next page


SPECIAL
CAM TITLE
ON/OFF
D – EFFECT
FREEZE
MIRROR
D – ZOOM x1.0 ~ x32
GAMMA 0.05 ~ 1
NEG. IMAGE
MOTION
AREA SELECT: AERA: 1 ~ 4
AREA DISPLAY: ON/OFF
LEFT / RIGHT: 0 ~ 100
WIDTH: 0 ~ 100
TOP / BOTTOM: 0 ~ 100
HEIGHT: 0 ~ 100
SENSITIVITY: 0 ~ 40
MOTION VIEW: ON/OFF
PRIVACY
AREA SELECT: AREA: 1 ~ 8
AREA DISPLAY : ON / OFF
LEFT / RIGHT: 0 ~ 100
WIDTH: 0 ~ 100
TOP / BOTTOM: 0 ~ 100
HEIGHT: 0 ~ 100
COLOR: 0 ~15
SYNC
INT
LANGUAGE
ENGLISH / JAPANESE / CHINESE
RETURN

ADJUST menu：User can adjust camera sharpness and color parameter.



RESET menu：User can reset all camera setting back to factory default.

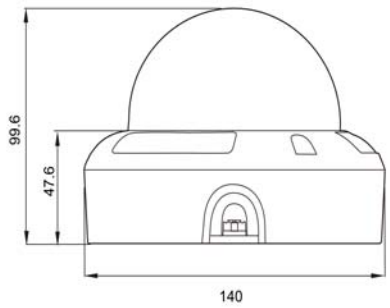


1. EXIT menu：Exit OSD menu.

OSD keypad illustration:

1. This bottom on the main board is to control up of the OSD function.
2. This bottom on the main board is to control left of the OSD function.
3. This bottom on the main board is to control enter of the OSD function.
4. This bottom on the main board is to control right of the OSD function.
5. This bottom on the main board is to control down of the OSD function.

Dimension



BEFORE ATTEMPTING TO HOOK UP AND OPERATE, PLEASE READ THIS MANUAL.

CAUTIONS

(1) To reduce the risk of electric shock, do not remove cover(or back). No user serviceable parts inside. Refer servicing to qualified service personnel.
(2) Never point the camera toward the sun and do not expose the lens directly to sun or strong light as this may damage the pick-up device.
(3) Handle this camera with care. Avoid any shock or impact to the camera as it contains sensitive parts which can be damaged by improper handling.
(4) Requires a proper operating environment this camera is designed for indoor use. This allowable temperature range for operation of this camera is between 14℉ to 122℉ and the allowable humidity is 85% maximum. If the camera is to be placed in an extremely dusty location, a special housing may be necessary to protect the camera and lens.

⚠ Please use suitable adapter DC12V ± 10 %,500mA. Otherwise, this product will be damaged.